

RALSTONIA AHL-ACYLASE GENE

ABSTRACT OF THE DISCLOSURE

[00058] This invention provides a gene, *qsbA*, which encodes a protein useful for inactivating certain bacterial quorum-sensing signal molecules (N-acyl homoserine lactones) which participate in bacterial virulence and biofilm differentiation pathways. This gene was isolated from *Ralstonia sp.*, strain XJ12B. The invention also provides the QsbA protein, which possesses N-acyl homoserine lactone inactivating activity.

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Fig. 1